



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,085	09/30/2003	Moshe Valenci	P16577	5067
46915 7590 01/28/2009 KONRAD RAYNES & VICTOR, LLP. ATTN: INT77 315 SOUTH BEVERLY DRIVE, SUITE 210 BEVERLY HILLS, CA 90212				
EXAMINER				
CLOUD, JOIYA M				
ART UNIT		PAPER NUMBER		
2444				
NOTIFICATION DATE		DELIVERY MODE		
01/28/2009		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

krvuspto@ipmatters.com

Office Action Summary

Application No.

10/675,085

Applicant(s)

VALENCI, MOSHE

Examiner

Joiya M. Cloud

Art Unit

2444

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 October 2008.
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-27 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 30 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-8508)
Paper No(s)/Mail Date _____
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to the communication filed on 10/08/2008. Claims 1-27 are pending. Applicant's arguments and amendments filed 10/08/2008 have been carefully considered but they are deemed moot in view of the following new grounds of rejection as explained here below, necessitated by Applicant's substantial amendment (i.e., "*wherein the link-shutdown timer counts a maximum amount of time that the link is to be maintained while the driver is being unloaded*" and will require further search and consideration) to the claims which significantly affected the scope thereof.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Hanson et al.

(US Publication No. 2002/0098840 A1).

As per claim 1, Hanson teaches a method for maintaining a link between a first network entity and a second network entity, wherein the first network entity includes a network adapter, comprising: at a first network entity, in response to the driver shutting down and reloading with new settings, determining whether the driver was reloaded before a link-shutdown timer expired (**paragraph [0386] and [0282]**), wherein the link-shutdown timer is associated with the link and is started in response to the driver starting a shutdown sequence, wherein the link-shutdown timer counts a maximum amount of time that the link is to be maintained while the driver is being unloaded (**paragraph [0298] and [0282]**); continuing processing without dropping the link to prevent the link from being detected as unavailable by and external network entity (**paragraph [0282]**), in response to the driver being reloaded before the link-shutdown timer expired (**paragraph [0282]**); and dropping the link, in response to the driver not being reloaded before the link-shutdown timer expired (**paragraph [0298] and [0282]**).

As per claim 2, Hanson teaches a method further performing: determining, whether a register has a value indicating that the driver has been loaded (**paragraph [0298] and [0282]**).

As per claim 3, Hanson teaches a method further performing: determining, whether the link-shutdown timer has expired; and periodically determining, whether the driver was loaded in response to determining that the link-shutdown timer has not expired (**paragraph [0282]**).

As per claim 4, Hanson teaches a method further performing determining, whether the link-shutdown timer has expired; and periodically determining, whether the driver was loaded in response to the driver not being loaded and the link-shutdown timer not having expired (**paragraph [0282]**).

As per claim 5, Hanson teaches a method implemented in a driver executing in a first network entity for maintaining a link between the first network entity and a second network entity, wherein the driver at the first network entity performs: starting a shutdown sequence in a driver; in response to determining that the link does not need to shut down, starting a link-shutdown timer for dropping the link (**paragraph [0298] and [0282]**), wherein the link-shutdown timer counts a maximum amount of time that the link is to be maintained while the driver is being unloaded; in response to the driver starting a load sequence and determining that the link-shutdown timer is enabled and has not expired, determining whether the link is available (**paragraph [0298] and [0282]**), wherein the link is determined to be available when the driver is reloaded with new settings before the link-shutdown timer has expired; and continuing processing without renegotiating the link in response to the link being available (**paragraph [0298] and [0282]**).

As per claim 6, Hanson teaches a method wherein the driver further performs renegotiating the link in response to the link not being available, wherein the link is not available when the driver is not reloaded before the link-shutdown timer has expired (**paragraph [0298] and [0282]**).

As per claim 7, Hanson teaches a method wherein the driver further performs: determining, whether flow control is enabled; and sending an indicator to the second network entity to indicate that the second network entity is to stop sending data packets to the first network entity in response to flow control being enabled (**paragraph [0298] and [0282]**).

As per claim 8, Hanson teaches a method wherein after the driver is reloaded, the driver further performs: determining whether flow control is enabled; and sending an indicator to the second network entity to indicate that the second network entity is to start sending data packets to the first network entity in response to flow control being enabled (**paragraph [0298] and [0282]**).

As per claim 9, Hanson teaches a method further performing: when the driver is reloaded, disabling the link-shutdown timer in response to the link-shutdown timer being enabled and not being expired (**paragraph [0298] and [0282]**).

As per claims 10-13, claims 10-13 lists all the same elements as claims 1-4, but in system form rather than method form. Therefore, the rejection for claims 1-4 applies equally as well to claims 10-13.

As per claims 14-18, claims 14-18 lists all the same elements as claims 5-9, but in system form rather than method form. Therefore, the rejection for claims 5-9 applies equally as well to claims 14-17.

As per claims 19-22, claims 19-22 lists all the same elements as claims 1-4, but in article of manufacture form rather than method form. Therefore, the rejection for claims 1-4 applies equally as well to claims 10-13.

As per claims 23-27, claims 23-27 lists all the same elements as claims 5-9, but in article of manufacture form rather than method form. Therefore, the rejection for claims 5-9 applies equally as well to claims 23-27.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joiya Cloud whose telephone number is 571-270-1146. The examiner can normally be reached Monday to Friday from on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3922.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JMC

/William C. Vaughn, Jr./

Supervisory Patent Examiner, Art Unit 2444

Application/Control Number: 10/675,085
Art Unit: 2444

Page 7